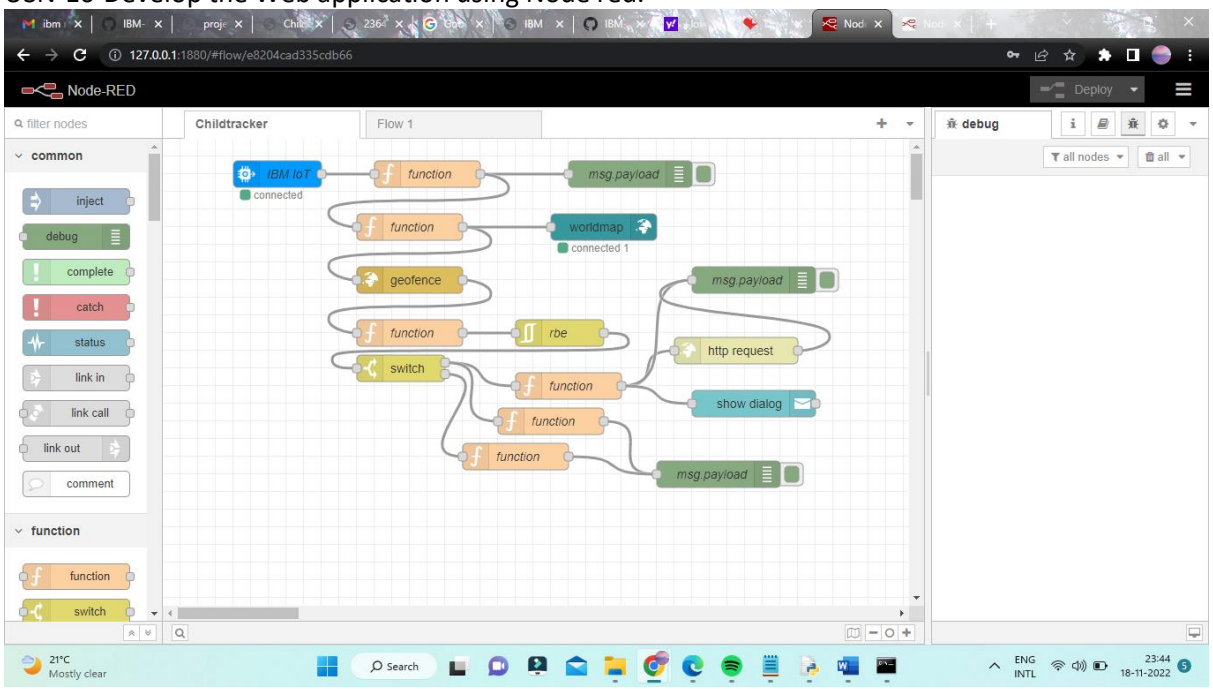
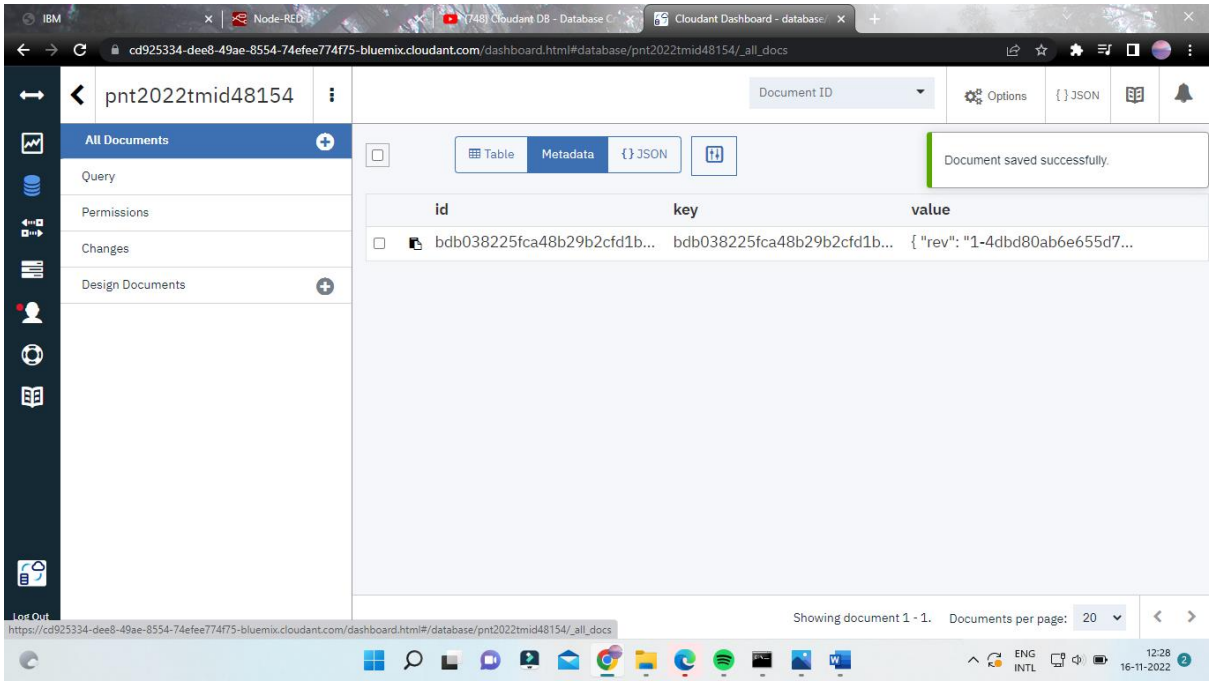
PROJECT PLANNING
PHASE
SPRINT 4

Date	18October 2022
Team ID	PNT2022TMID48154
Project Name	IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

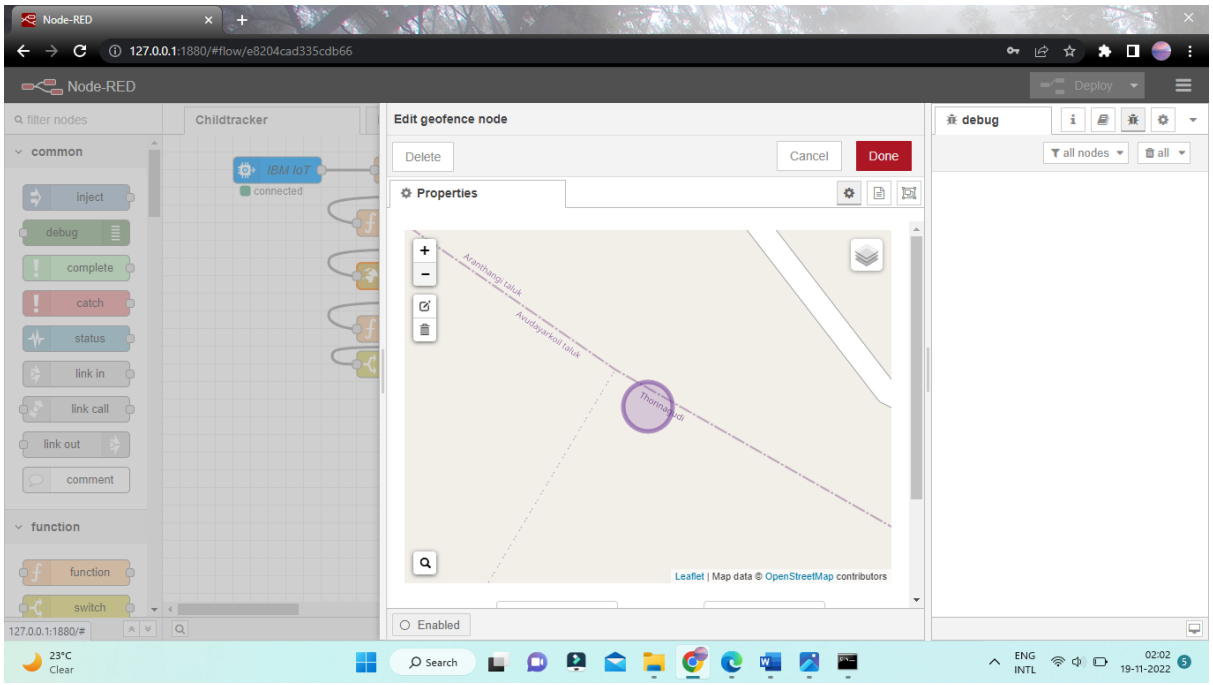
USN-16-Develop the Web application using Node red.



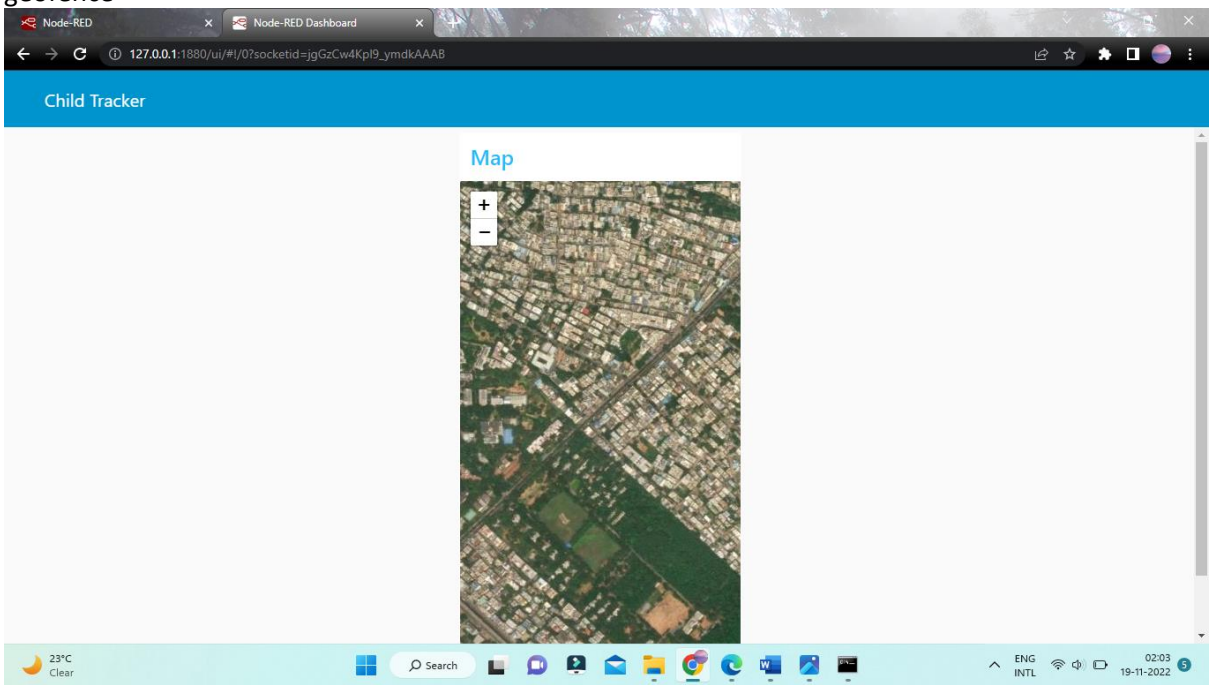
USN-17-Connect to the IBM IoT Platform and get the location and Store the data in the Cloudant.



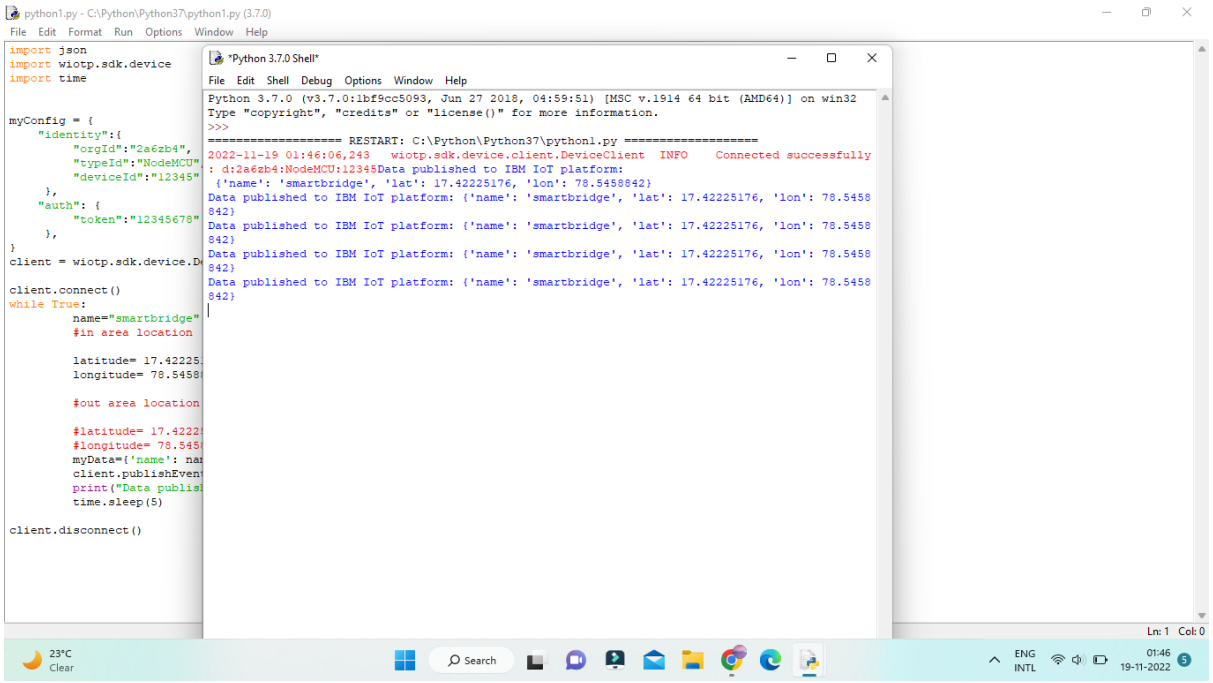
USN-18-Create the geofence and Google map for location identification.

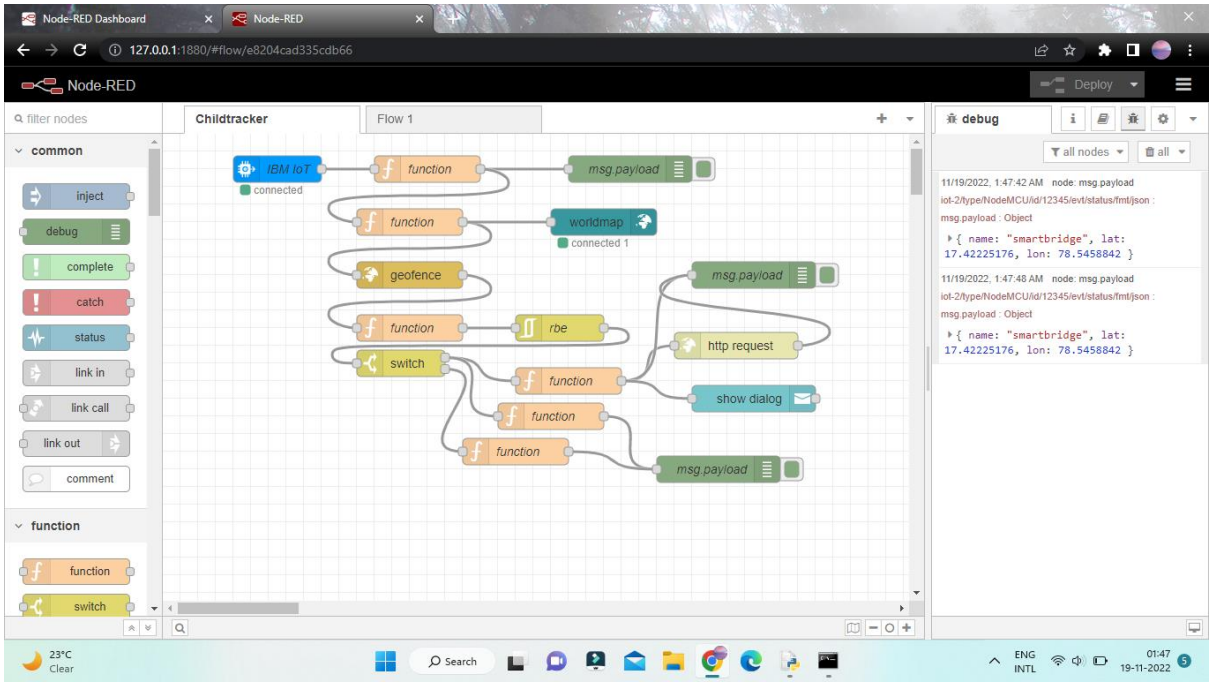


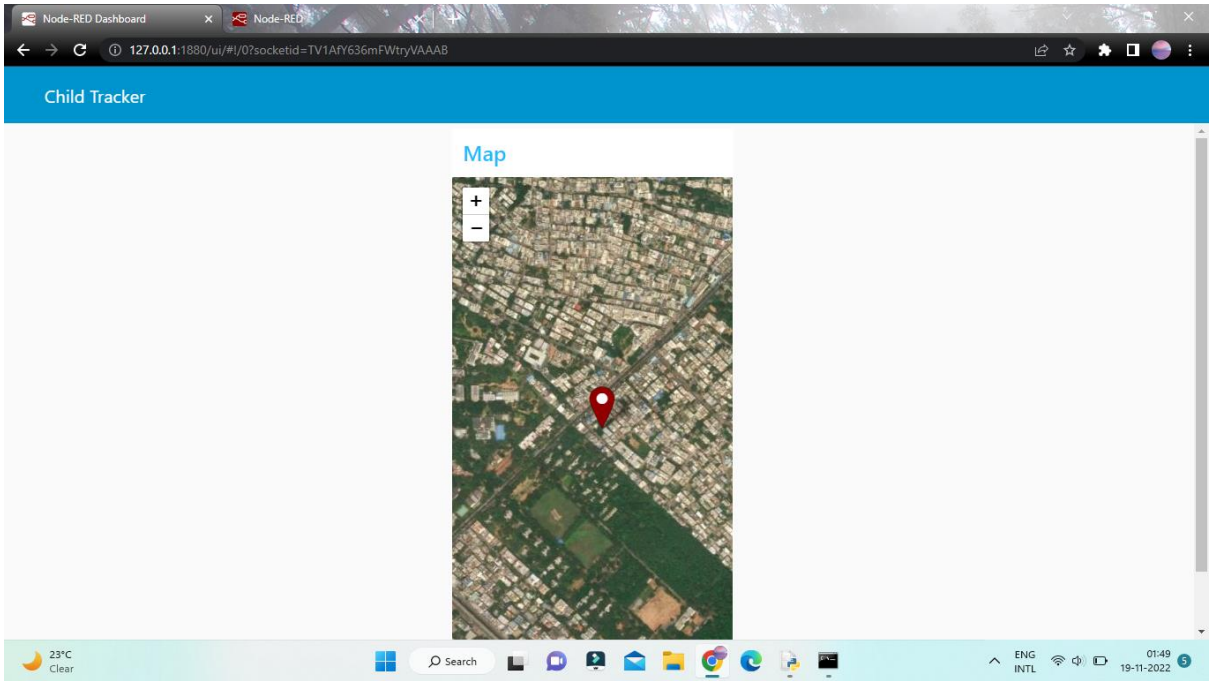
USN-19-Integrate the geofence and Google map to check if the child is inside or outside the geofence



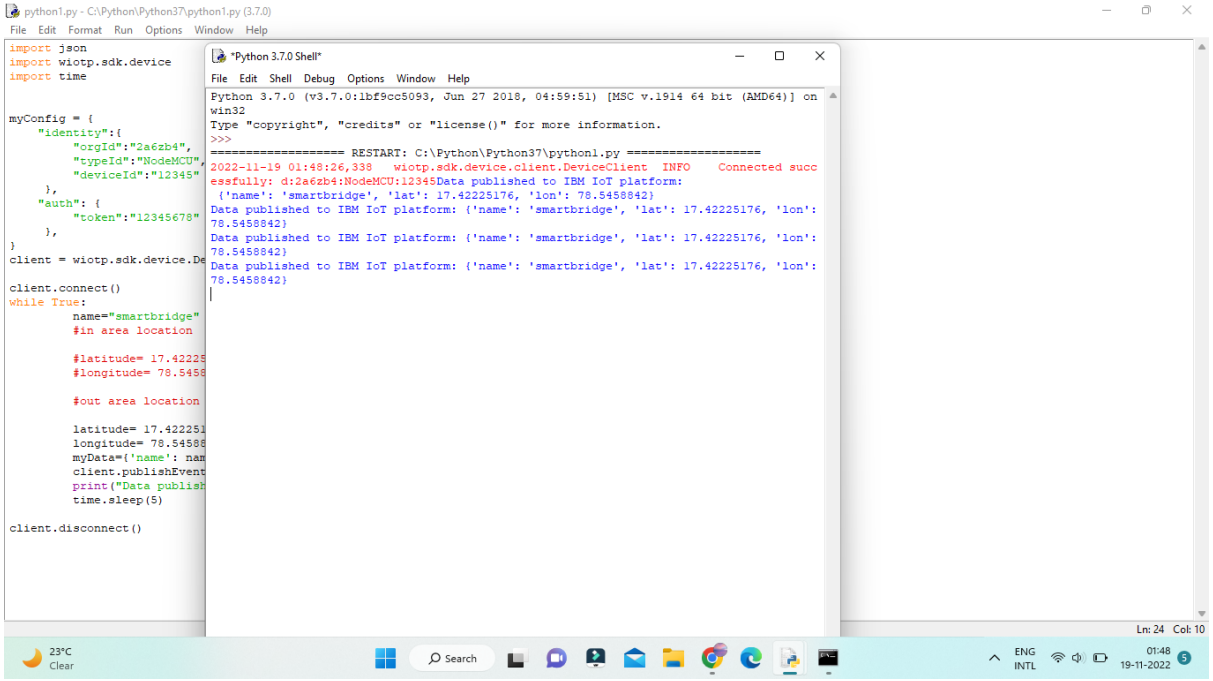
USN-20-Send the notifications if the child is outside the geofence
#in area location

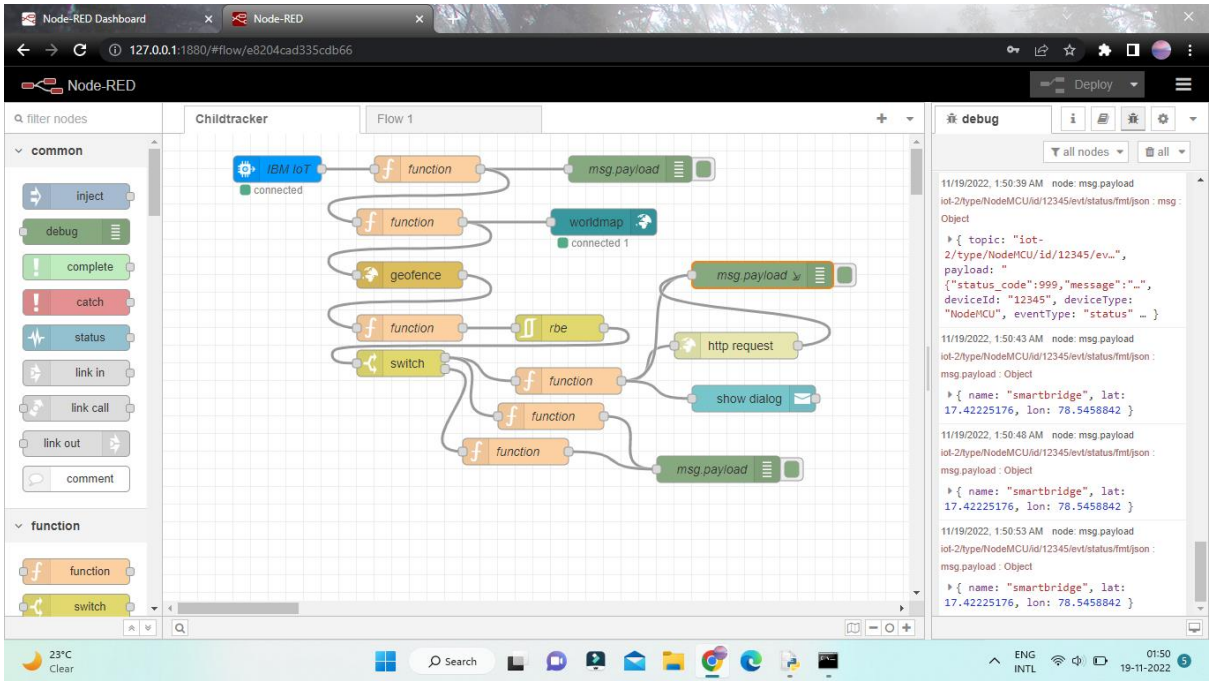


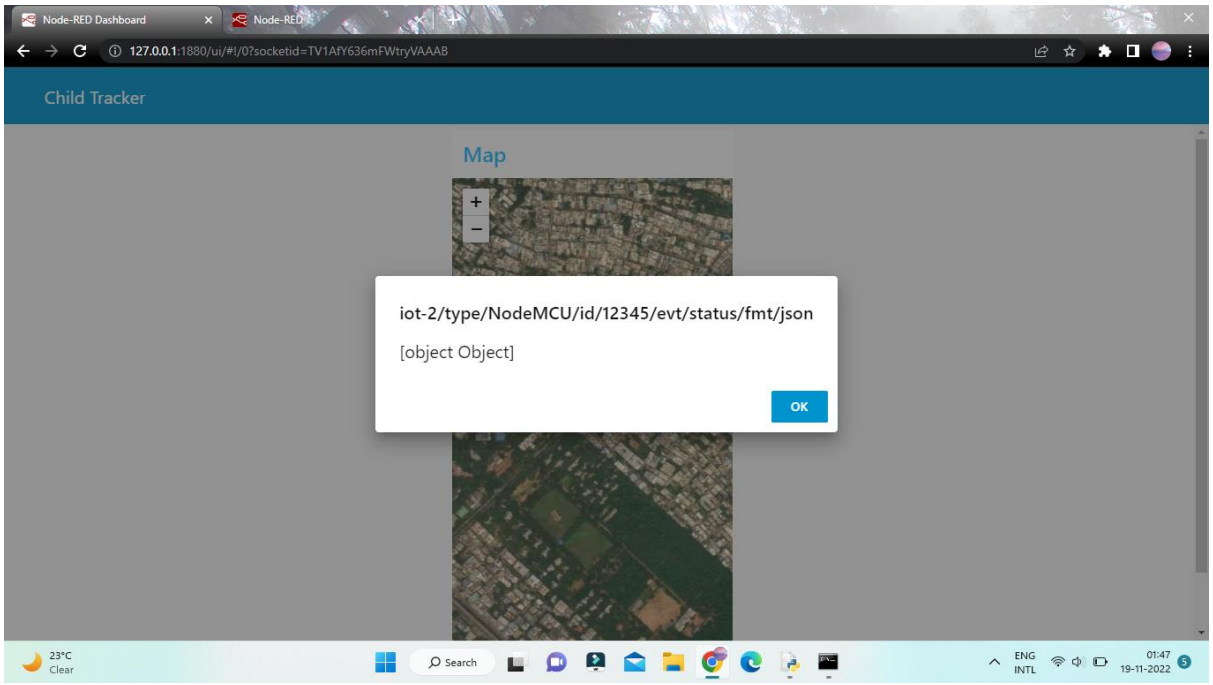




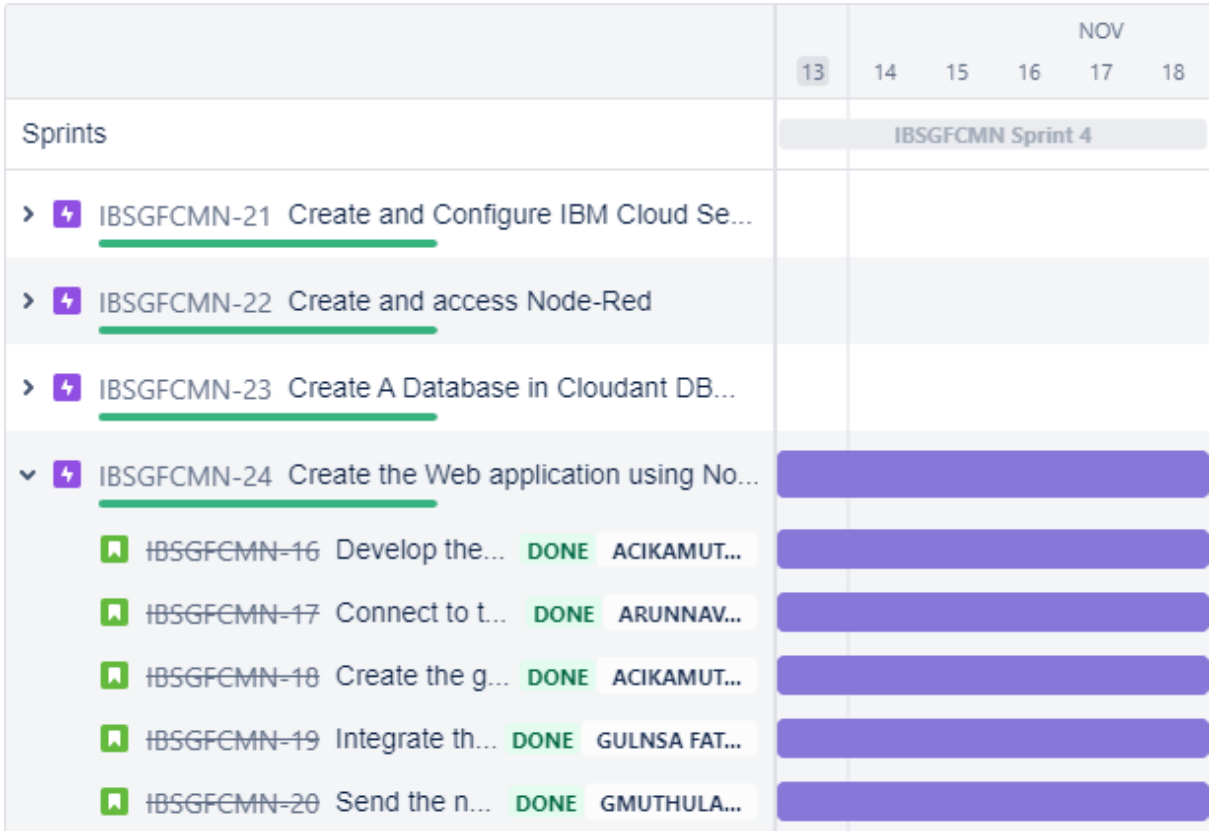
#out area location



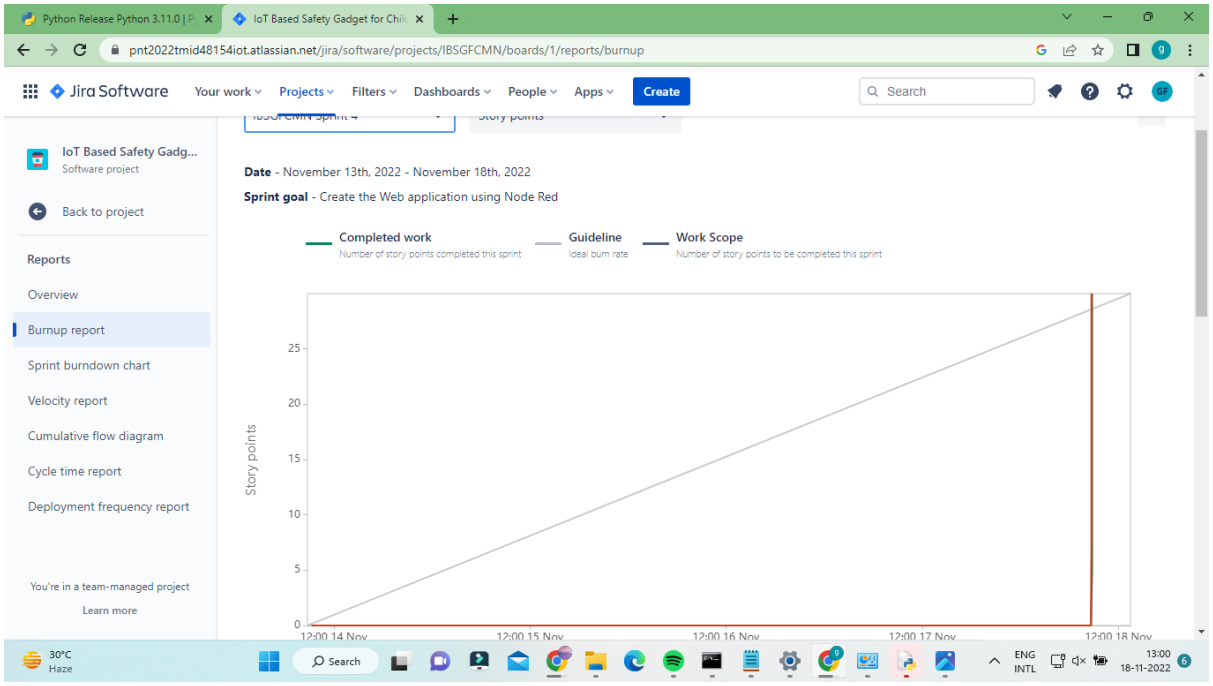

Node-RED Dashboard
Node-RED
127.0.0.1:1880/#flow/e8204cad335cdb66
Node-RED
Deploy
filter nodes
Childtracker
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
IBM IoT
connected
function
msg.payload
function
worldmap
connected 1
geofence
msg.payload
function
rbe
http request
switch
function
show dialog
function
function
msg.payload
debug
all nodes
all
11/19/2022, 1:50:39 AM node: msg.payload
iot-2/type/NodeMCU/id/12345/evt/status/fmt/json : msg : Object
{ topic: "iot-2/type/NodeMCU/id/12345/ev…", payload: "{"status_code":999,"message":"…", deviceId: "12345", deviceType: "NodeMCU", eventType: "status" … }
11/19/2022, 1:50:43 AM node: msg.payload
iot-2/type/NodeMCU/id/12345/evt/status/fmt/json : msg.payload : Object
{ name: "smartbridge", lat: 17.42225176, lon: 78.5458842 }
11/19/2022, 1:50:48 AM node: msg.payload
iot-2/type/NodeMCU/id/12345/evt/status/fmt/json : msg.payload : Object
{ name: "smartbridge", lat: 17.42225176, lon: 78.5458842 }
11/19/2022, 1:50:53 AM node: msg.payload
iot-2/type/NodeMCU/id/12345/evt/status/fmt/json : msg.payload : Object
{ name: "smartbridge", lat: 17.42225176, lon: 78.5458842 }
23°C
Clear
Search
ENG
INTL
01:50
19-11-2022


Node-RED Dashboard
Node-RED
127.0.0.1:1880/ui/#!/0?socketid=TV1AfY636mFWtryVAAAB
Child Tracker
Map
iot-2/type/NodeMCU/id/12345/evt/status/fmt/json
[object Object]
OK
23°C
Clear
Search
ENG
INTL
01:47
19-11-2022

ROADMAP:



BURNUP REPORT:



SPRINT BURNDOWN CHART: